

Title (en)

AMINO ACID COMPOSITION AND FLUID REPLACEMENT

Title (de)

AMINOSÄURE-ZUSAMMENSETZUNG UND FLÜSSIGKEITSERSATZ

Title (fr)

COMPOSITION D'ACIDE AMINE ET REMPLACEMENT DE FLUIDE

Publication

**EP 1629840 A1 20060301 (EN)**

Application

**EP 04735515 A 20040531**

Priority

- JP 2004007850 W 20040531
- JP 2003155397 A 20030530

Abstract (en)

An amino acid composition comprises alanine, arginine, aspartic acid, glutamic acid, glycine, histidine, isoleucine, leucine, lysine, methionine, phenylalanine, proline, serine, threonine, tryptophan, tyrosine, valine, and glutamine. The amino acid composition of the present invention has such an effect that it can improve the action of promoting the process wherein the body fat is converted into the energy required for the physical exercise during and/or after the anoxic motions performed under an extremely high load.

IPC 1-7

**A61K 31/198; A61P 3/00; A23L 1/305**

IPC 8 full level

**A61P 3/02** (2006.01); **A23L 1/305** (2006.01); **A23L 33/175** (2016.01); **A61K 31/198** (2006.01); **A61K 31/401** (2006.01); **A61K 31/405** (2006.01);  
**A61K 31/4172** (2006.01); **A61P 3/00** (2006.01)

CPC (source: EP US)

**A23L 33/175** (2016.07 - EP US); **A61K 31/198** (2013.01 - EP US); **A61K 31/401** (2013.01 - EP US); **A61K 31/405** (2013.01 - EP US);  
**A61K 31/4172** (2013.01 - EP US); **A61P 3/00** (2017.12 - EP); **A61P 3/02** (2017.12 - EP)

C-Set (source: EP US)

1. **A61K 31/198 + A61K 2300/00**
2. **A61K 31/401 + A61K 2300/00**
3. **A61K 31/405 + A61K 2300/00**
4. **A61K 31/4172 + A61K 2300/00**

Cited by

EP2148580A4; EP2095728A3; RU2598339C2; EP1674092A4; EP2116238A4; EP2095728A2; US7820618B2; US9155719B2; WO2009043136A1;  
WO2011151685A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1629840 A1 20060301; EP 1629840 A4 20070110; EP 1629840 B1 20170816**; AU 2004243164 A1 20041209; AU 2004243164 B2 20100923;  
AU 2004243164 B8 20101021; CA 2527435 A1 20041209; CA 2527435 C 20120724; CN 1829504 A 20060906; CN 1829504 B 20101208;  
JP 2004352696 A 20041216; JP 4528925 B2 20100825; NZ 544158 A 20090131; TW 200509899 A 20050316; TW I314452 B 20090911;  
US 2006079565 A1 20060413; US 2009117208 A1 20090507; US 8012924 B2 20110906; US 8012926 B2 20110906;  
WO 2004105748 A1 20041209

DOCDB simple family (application)

**EP 04735515 A 20040531**; AU 2004243164 A 20040531; CA 2527435 A 20040531; CN 200480021781 A 20040531; JP 2003155397 A 20030530;  
JP 2004007850 W 20040531; NZ 54415804 A 20040531; TW 93115054 A 20040527; US 28938305 A 20051130; US 34500308 A 20081229